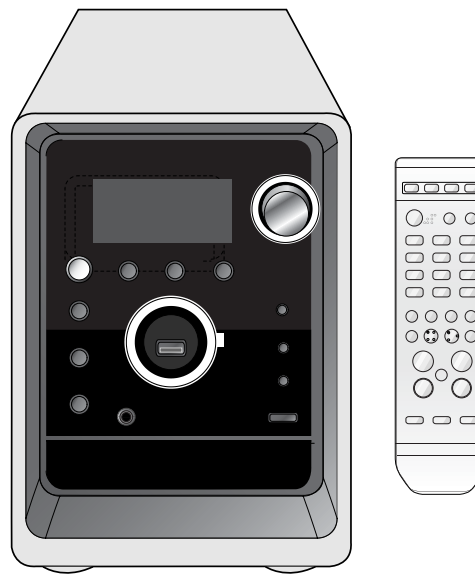
SAMSUNG

MICRO COMPONENT AUDIO SYSTEM

CD/MP3/WMA-CD/CD-R/RW PLAYBACK

MM-X8

Instruction Manual



Safety Warnings

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CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
LUOKAN 1 LASER LAITE
KLASS 1 LASER APPARAT
PRODUCTO LASER CLASE 1

CAUTION
RISK OF ELECTRIC SHOCK.
DO NOT OPEN

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE REAR COVER, NO USER SERVICEABLE PARTS INSIDE, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CLASS 1 LASER PRODUCT

This Compact Disc player is classified as a CLASS 1 LASER product.

Use of controls adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION-INVISIBLE LASER RADIATION WHEN OPEN AND INTER LOCKS DEFEATED, AVOID EXPOSURE TO BEAM.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

This symbol indicates that dangerous voltage constituting of a risk of electric shock is present within this unit.

This symbol indicates that there are important operating and maintenance instructions in the owners manual accompanying this unit.

Wiring the Mains Power Supply Plug(UK Only)

IMPORTANT NOTICE

The mains lead on this equipment is supplied with a moulded plug incorporating a fuse. The value of the fuse is indicated on the pin face of the plug and, if it requires replacing, a fuse approved to BS1362 of the same rating must be used.

Never use the plug with the fuse cover omitted. If the cover is detachable. If a replacement fuse cover is required, it must be of the same colour as the pin face of the plug. Replacement covers are available from your dealer.

If the fitted plug is not suitable for the power points in your house or the cable is not long enough to reach a power point, you should obtain a suitable safety approved extension lead or consult your dealer for assistance.

However, if there is no alternative to cutting off the plug, remove the fuse and then safely dispose of the plug. Do NOT connect the plug to a mains socket as there is a risk of shock hazard from the bared flexible cord.

IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:–

BLUE = NEUTRAL **BROWN = LIVE**

As these colours may not correspond to the coloured markings identifying the terminals in your plug, proceed as follows:–

The wire coloured BLUE must be connected to the terminal marked with the letter N or coloured BLUE or BLACK. The wire coloured BROWN must be connected to the terminal marked with the letter L or coloured BROWN or RED.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E OR BY THE EARTH SYMBOL ⏚ , OR COLOURED GREEN OR GREEN AND YELLOW.

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life.
To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.
Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.
Business users should contact their supplier and check the terms and conditions of the purchase contract.This product should not be mixed with other commercial wastes for disposal.

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Thank you for buying this SAMSUNG micro component system.

Please take time to read these instructions. They will allow you to operate your system with ease and take full advantage of its features.

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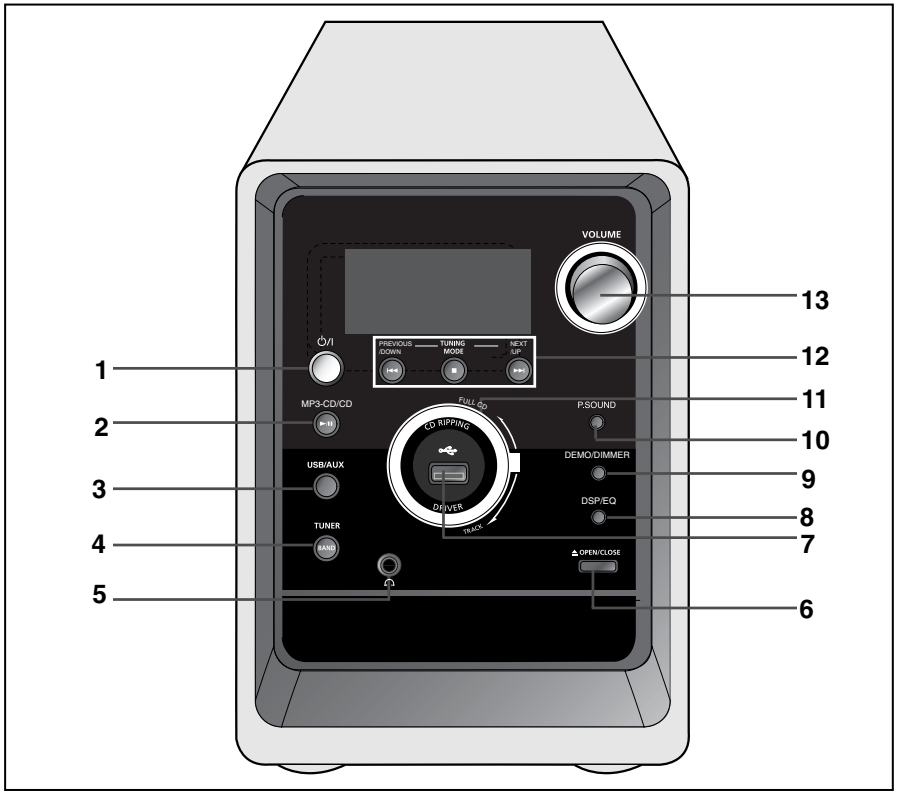
Symbols

Press Push Important Note

Front Panel View



1. STANDBY/ON
2. MP3-CD/CD
3. USB/AUX
4. TUNER/BAND
5. HEADPHONE JACK CONNECTOR
6. CD DOOR OPEN/CLOSE
7. USB JACK
8. DSP/EQ
9. DEMO/DIMMER
10. POWER SOUND
11. CD RIPPING DIAL
12. SEARCH FUNCTION BUTTONS TUNING MODE OR STOP BUTTON
13. VOLUME CONTROL

Accessories

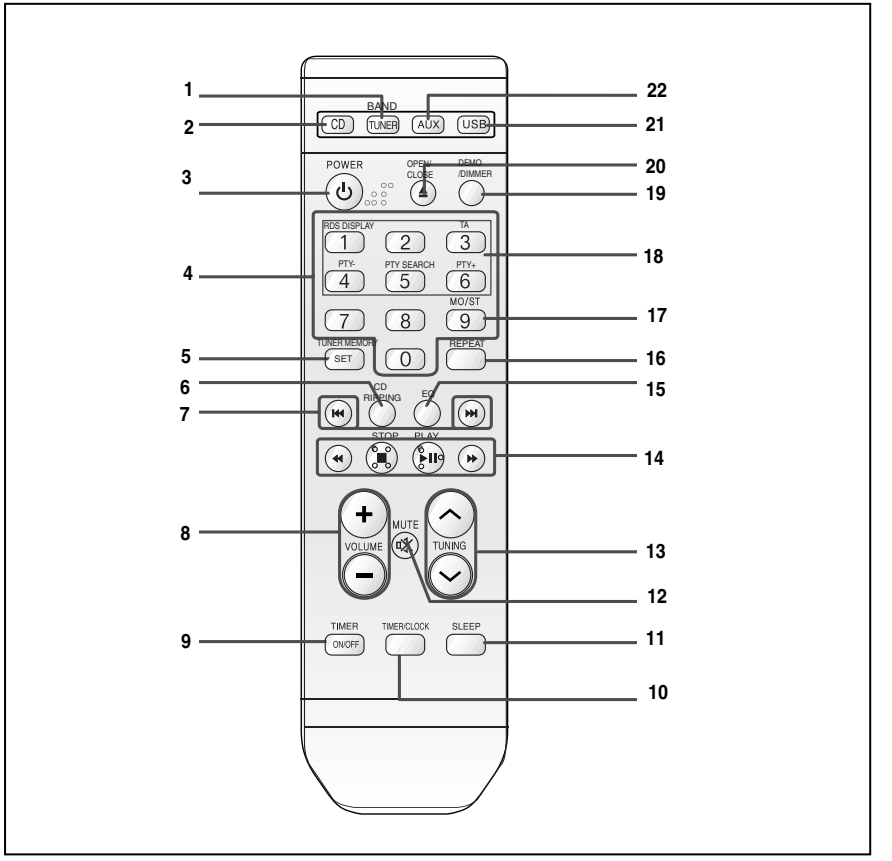
Remote Control

FM Antenna

AM Antenna

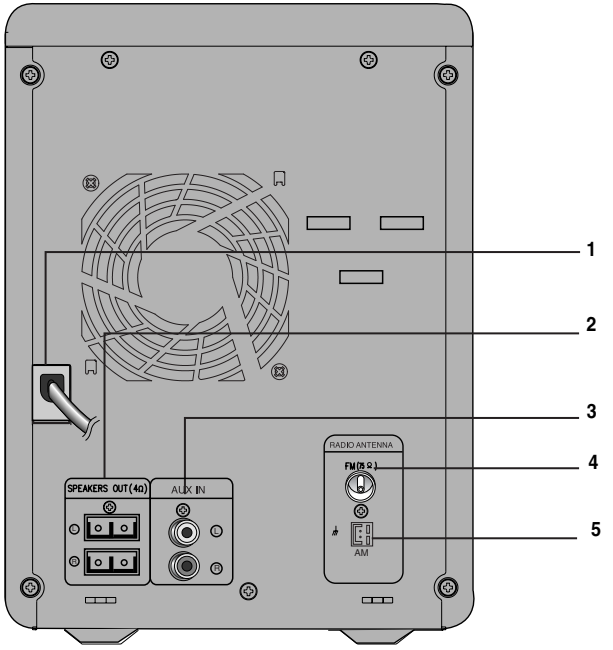
User Manual

Remote Control



1. TUNER/BAND
2. MP3-CD/CD
3. POWER
4. NUMBER(0~9) BUTTONS
5. TUNER MEMORY/SET
6. CD RIPPING
7. SKIP BUTTONS
8. VOLUME CONTROL
9. TIMER ON/OFF
10. TIMER/CLOCK
11. SLEEP
12. MUTE
13. TUNING UP OR DOWN
14. USB/MP3-CD/CD STOP/SEARCH/PLAY/PAUSE BUTTON
15. DSP/EQ
16. REPEAT
17. MONO/ST
18. RDS SELECTION
19. DEMO/DIMMER
20. OPEN/CLOSE
21. USB
22. AUX

Rear Panel View

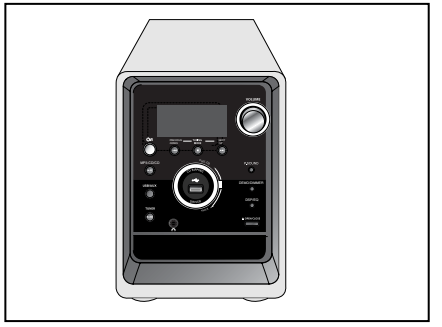


1. **Voltage**
2. **Loudspeaker Connector Terminals**
3. **AUX-Input**
4. **FM Antenna Connector Terminal**
5. **AM Antenna Connector Terminals**

Where to Install Your Micro Component System

To take full advantage of your new micro component system, follow these installation instructions before connecting the unit.

- Install the system on a flat, stable surface.
- Never place this unit on carpeting.
- Never place this unit in an outdoor area.
- Maintain an open space of approximately 6 inches (15 cm) on the sides and rear of the system, for ventilation purposes.
- Make sure that you have enough room to open the compact disc compartment easily.
- Place the loudspeakers at a reasonable distance on either side of the system to ensure good stereo sound.
- Direct the loudspeakers towards the listening area.
- For optimum performance, make sure that both speakers are placed at an equal distance above the floor.



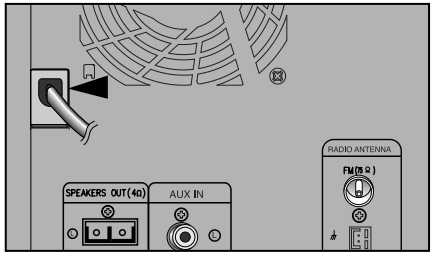
Connecting your System to the Power Supply

The main lead must be plugged into an appropriate socket.

☛ Before plugging your system into a main socket, you must check the voltage.

1 Plug the main lead into an appropriate socket.

2 Press the (⏻/❙) button to switch your micro component system on.



Inserting Remote Control Batteries

Insert or replace remote control batteries when you:

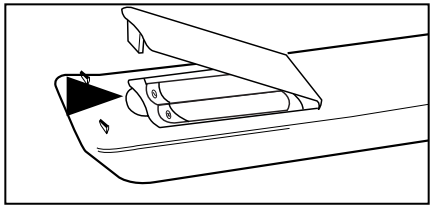
- Purchase the micro component system
- Find that the remote control is no longer operating correctly

☛ When replacing the batteries, use a new set of batteries and never mix alkaline and manganese batteries.

1 Place your thumb on the position marked ▼ on the battery compartment cover (rear of the remote control) and pull the cover in the direction of the arrow.

2 Insert two AAA, LR03 or equivalent batteries, taking care to respect the polarities:
- + on the battery against + in the battery compartment
- – on the battery against – in the battery compartment

3 Replace the cover by sliding it back until it clicks into position.



Connecting to an External Source

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The auxiliary input can be used to take advantage of the sound quality of your micro component system when listening to other sources.

Examples: ♦ A television
♦ A DVD player
♦ A VCR

➢ To connect to the external source, the source must have an audio output. In addition, you need an RCA connection cable.

1 Set the system to standby mode and disconnect it and the external source from the main socket.

2 Connect the audio cable to the rear of the micro component system.

Connect the...	To the connector marked...
Red jack	R (right)
White jack	L (left)

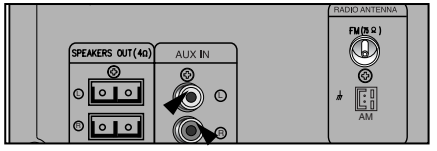
➢ For optimum sound quality, do not invert the right and left channels.

3 Plug the system back into the main socket and press (⏻/I) to switch it on.

4 Select the AUX source by pressing **AUX**.
Result: **AUX** is displayed.

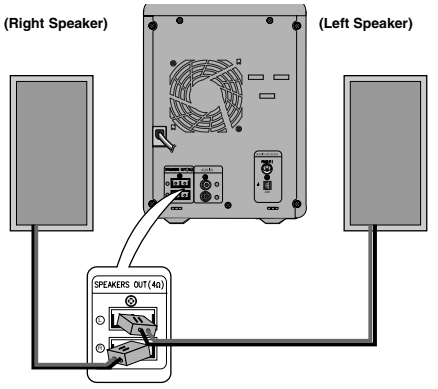
5 Switch the external source on.

Example: You can watch a film and take advantage of stereo sound provided that the original sound track is in stereo (as if you were in a cinema).



Speaker Connection

Main Speaker Connection: Connect the Speaker cords (red/black) to the Main Speaker jacks of System.



Directions in Installing Speaker

- ♦ Installation in a place near heating apparatus, under direct lay of light or with high humidity may cause performance degradation of the speaker.
- ♦ Do not install on the wall or on a high place of pole or other unstable place to prevent any safety accident caused by falling of the speaker.
- ♦ Do not take the speaker apart from TV or computer monitor. The speaker near the TV or computer monitor may influence the quality of the screen display.

Connecting the AM (MW)Antenna

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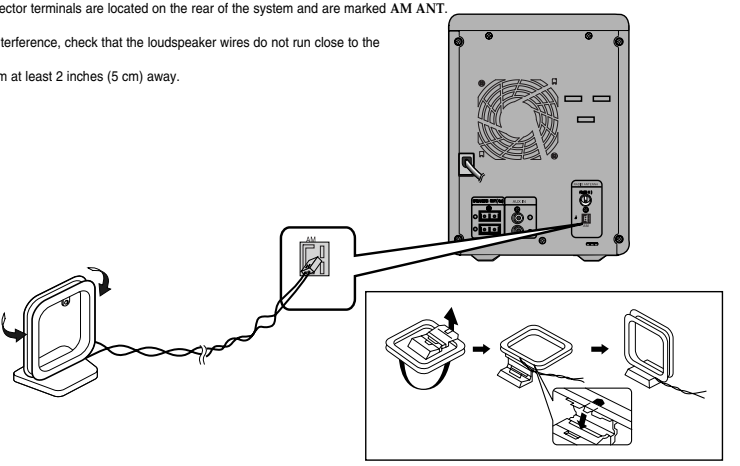
The AM antenna (for medium waves) can be:

- ♦ Placed on a stable surface
- ♦ Fixed to the wall (you must first remove the base)

The **AM** antenna connector terminals are located on the rear of the system and are marked **AM ANT**.

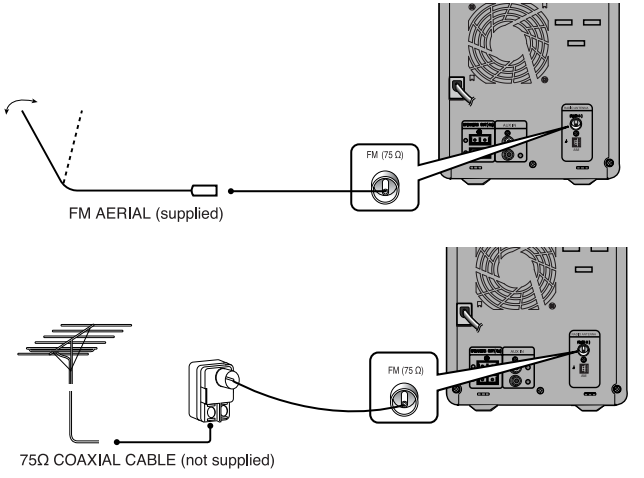
☛ To avoid noise interference, check that the loudspeaker wires do not run close to the antenna wires.
Always keep them at least 2 inches (5 cm) away.



Connecting the FM Antenna

How to connect a COAXIAL TYPE antenna.

- ♦ Connect a 75Ω antenna to the **FM** antenna terminal.
- ♦ Plug the connector on the supplied **FM** antenna supplied into the coaxial socket (75Ω) marked **FM** on the rear of the system.
- ♦ Follow the instructions given on **Page 15** to tune into a radio station, and determine the best position for the antenna.
- ♦ If reception is poor, you may need to install an outdoor antenna.
To do so, connect an outdoor **FM** antenna to the **FM** socket on the rear of the system using a 75Ω coaxial cable (not supplied).



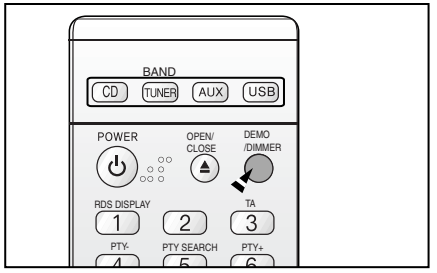
DEMO Function

You can view the various functions available on your system.

1 Press the **DEMO /DIMMER button**.
Result: The avaiable functions available are listed in turn on the display.

➢ All these functions are described in detail in this booklet. For instructions on how to use them, refer to the appropriate sections.

2 To cancel this function, press any button.

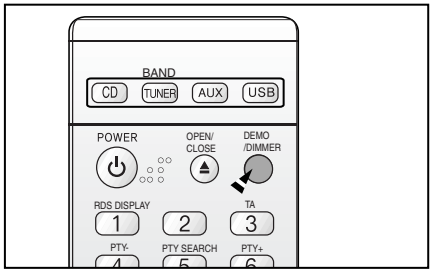


DIMMER Function

You can adjust the brightness display depending on the surrounding lighting conditions.

1 Press the **DEMO/DIMMER** button.

♦ Your selection switches each time the button is pressed: **DIMMERON(Dim) → DIMMER OFF(Bright)**.



Setting the Clock

Your system is equipped with a clock which allows you to turn your system on and off automatically.
You should set the clock:

♦ When you first purchase the micro component system
♦ After a power failure
♦ After unplugging the unit

☛ ♦ For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

1 Press **TIMER/CLOCK** twice.
Result: CLOCK is displayed.
♦ Press TIMER/CLOCK once,displayed the current time.

2 Press **SET**.
Result: The hour flashes.

3

To...	Press...
Increase the hours	^
Decrease the hours	v

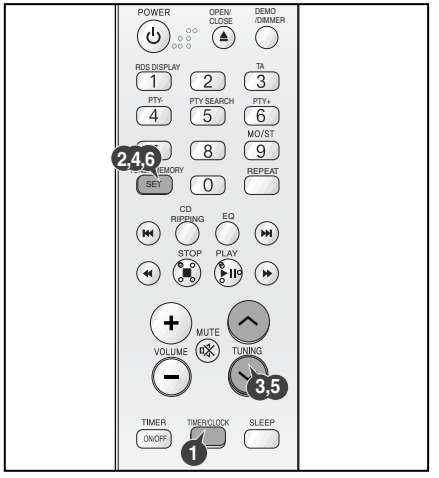
4 When the correct hour is displayed, press **SET**.
Result: The minutes flash.

5

To...	Press...
Increase the minutes	^
Decrease the minutes	v

6 When the correct time is displayed, press **SET**.
Result: ♦ "TIMER" appears in the display.
♦ The current time is now set.

➢ ♦ You can display the time, even when you are using another function, by pressing **TIMER/CLOCK** once.



To play the CD/MP3/WMA-CD

You can play 12 cm or 8 cm compact discs without an adapter.

This unit has been designed to playback the following CDs: Audio CD, CD-R, CD-RW and MP3/WMA,-CD.

Continued use of irregular shape CDs (heart-shape, octagonal, etc.) can damage the unit.

1 Select the CD function by pressing **MP3-CD/CD(▶II)** button.

2 Press the **Open/Close** (▲) button.
Result: The compartment opens.

3 Place your disc in the compartment, with the label on the disc facing upwards.

4 Close the compartment by pressing the **Open/Close** (▲) button again.
♦ Your CD Player will take a few moment to scan through all the tracks recorded on a particular MP3/WMA-CD
♦ The English name of the song may be indicated on the display only if directly downloaded from the PC or if the purchased MP3/WMA-CD is sorted according to titles(directory). (Other languages besides English may not be indicated.)
♦ The English name of the track may not be indicated depending on the characteristics of the MP3/WMA-CD.

5 Adjust the volume .
♦ Turn the **VOLUME** control of the main unit.
The volume level can be adjusted as follows: VOL MIN,VOL 1- VOL 49,and VOL MAX.

6 To pause playback temporarily, press the **MP3-CD/CD (▶II)** button.
➢ Pressed **(▶/II)** again to continue playing the disc.
If the unit is paused for more than 3 minutes,it will automatically change for STOP.

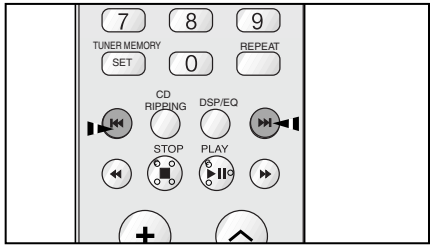
7 Press the **STOP** (■) button when you have finished.

➢ Connected the USB and then play the CD disc or When CD disc playing connect the USB, CD disc will be pause 3~5 seconds(according the USB's memory,the pause time maybe different).

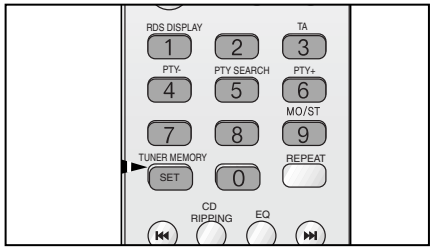
Selecting a Track

You can select the track you wish to listen to, when a disc is playing.

To start playback at the beginning of the...	Press...
Next track	▶▶I once
Current track	I◀◀ once
Previous track	I◀◀ twice
Track of your choice	I◀◀ or ▶▶I the appropriate number of times.



➢ You also can use the number buttons to select the track.
♦ Press the number buttons t choose the track that you want and then press **SET** button.



What is WMA?

WMA means Windows Media Audio, the global standard for audio signal compression technology.

What is MP3?

MP3 means MPEG1 Layer 3, the global standard for audio signal compression technology. It uses digital compression technology to compress original sound data by up to 12 times without sound quality degradation.

File Compatibility

- The unit will playback files created in MP3 format (Mpeg1.Layer3) with *.mp3 as their extension,and some WMA files with.WMA extension can't be playback.
- Playback will be impossible for the file of MP2 or 22KHz.
- ID3*tags can be shown on the display in English.

*An MP3 file can contain file information called "ID3 Tag " where its album name, performer, rack title, etc. are recorded.

How many MP3 files can be stored on a CD-R or CD-RW disc

The maximum capacity of one CD-R or CD-RW disc is 740MB.

Normally, an MP3 file has a capacity of 4MB, therefore approximately 180 files can be stored on a single disc.

Regarding the playback of CD-R/RW

- In the case of an original CD-R(Recordable) recorded in audio CD format, CD-RW(Rewritable) and editing by the user, playback is processed on the respective completed status. (The player may not be played back according to the characteristics of the CD or recorded status.)
- The unit will take longer to read a CD-RW than a regular CD.

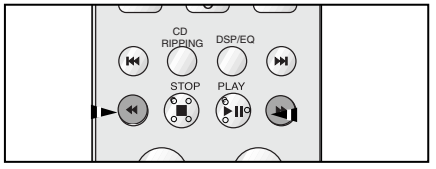
Searching for a Specific Music Passage on a CD/MP3/WMA-CD

When listening to a compact disc, you can quickly search for a specific music passage within a track.

To search through the tracks...	Press down...
Forwards	▶▶
Backwards	◀◀

➢ It is recommended that you turn the volume down before using this function.

- Whenever you press the button, you can search backward or forward 2X,4X,8X and 32X times normal speed.



Repeating One or All Tracks on the CD

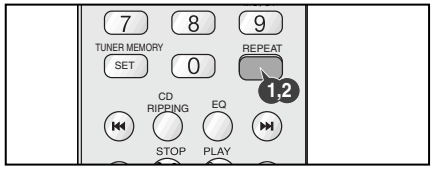
You can repeat indefinitely:

- A specific track on a compact disc.
- All tracks on the compact disc selected.

1

To repeat...	Press Repeat on the remote control one or more times until...
The current track indefinitely	**REPEAT 1** is displayed
All tracks	**REPEAT ALL** is displayed

2 To cancel this function, press **REPEAT** again.



Repeating One or All Tracks on the MP3/WMA Disc

You can repeat indefinitely:

- A specific track on MP3/WMA disc.
- All tracks on the MP3/WMA disc selected.

1

To repeat...	Press Repeat on the remote control one or more times until...
The current track indefinitely	**REP ONE** is displayed
All tracks	**REPEAT ALL** is displayed
The folder	**REPEAT Dir** is displayed
Play the tracks in random order	**REP RANDOM** is displayed

2 To cancel this function, press **REPEAT** again.

Playing USB

You can play MP3/WMA files by connecting to various external USB storage devices such as USB flash memory or HDD(Hard Dic Drives).

1 Connect the external USB storage device to your player.

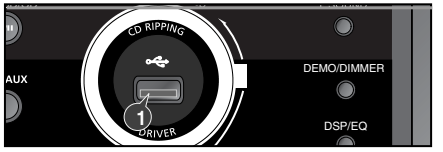
2 Select USB function by pressing the **USB** button.

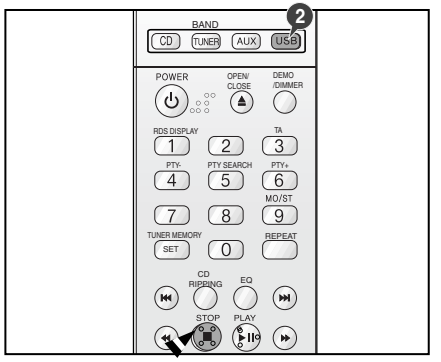
- The first track of the first directory plays automatically.

➢ **To stop playing**

Press the Stop (■) button to stop playing.

- Press the Stop (■) button once to stop, and press the button twice to remove.





☛ ♦ Do not connect a USB charging device to the USB connection port on the player, because it may cause damage to the product.

♦ The USB function of this product does not support all USB devices.For information on the supported devices,see page 24.

Please be aware of the following before using USB.

- Some external USB storage device may not be compatible with this player.
- With external HDD, FAT format can be played, however,the NTFS format can not.
- With USB 2.0 HDD, connect to a separate power source. If it's not connected to a separate power source, it may not work.
- If memory of an external USB storage device is segmented into several parts, MP3 files of only the first hard disk drive can be played.
- Regarding directories, up to fourth directory can be played.
- DRM applied files are not played. Digital Rights Management: Technology and service that protect the profit and rights of copyright owners by disallowing unauthorized use of digital contents.
- Even if the file name ends with .mp3, the file does not play if actual file format is MPEG layer 1 or 2.
- Disconnect the external USB storage device only in safe removal mode("USB REMOVE" display ON/OFF). Otherwise, the internal file may be damaged. Press the Stop (■) button more than 2 times to get into the safe removal mode. If you want to play files in the safe removal mode, disconnect and reconnect the external USB storage device.
- Do not use a USB hub as it will not be recognized.
- Up to 15 letters of MP3/WMA file name will be shown.

Delay

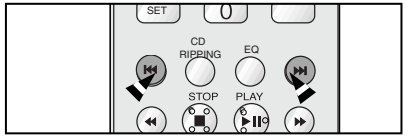
- When selecting USB function,file reading (READ-IN) may take several minutes.
- When playing a USB device,there may be a delay then advancing to the next track,especially with HDD. The operation time of external USB storage devices will vary;even when they are of the same capacity.
- If the external USB storage device supports only USB VER1.1 and the access speed is slow,the file may not property.

Selecting a Track from USB Device

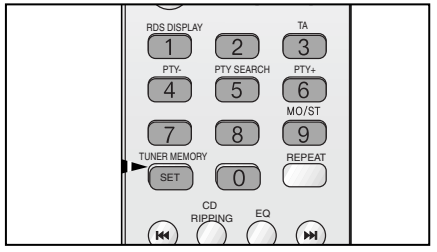
You can select a desired directory and an MP3 file during the play or when it stopped.

Before you begin! ♦ Connect the external USB storage device to your player.
♦ Select the USB function by using the USB button.

➢ If you want to move the next/previous file, press the ⏮ , ⏭ button shortly.
♦ It moves the next /previous file within the directory.
♦ If you press the ⏮ , ⏭ button more times than the number of the files in the directory, it will move over to the next directory.



➢ You also can use the number buttons to select the track.
♦ Press the number buttons choose the track that you want and then press **SET** button.

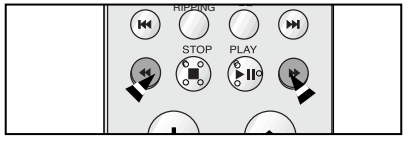


To use high speed search

Before you begin! ♦ Connect the external USB storage device to your player.
♦ Select the USB function by using the USB/AUX button.

You can search the desired section quickly during the play

➢ Press the ◀◀ , ▶▶ button.
♦ Whenever you press the button, you can search backward or forward 2X,4X,8X and 32X times normal speed.

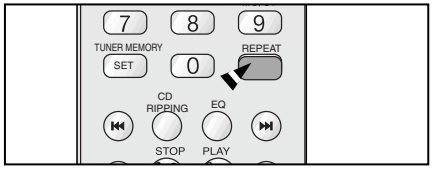


☛ ♦ During fast playback,sound is heard only at 2X speed,and not at 4X,8X,and 32X speeds.

To repeat

Before you begin! ♦ Connect the external USB storage device to your player.
♦ Select USB function by using the USB/AUX button.

➢ Press the **REPEAT** button during the play.
♦ REPEAT 1 : repeat play one track only.
♦ REPEAT DIR : repeat play one the folder.
♦ REPEAT RANDOM : play the tracks in random order.(A track that has already been played may be played again.)
♦ REPEAT ALL : repeat play the entire directories.
♦ REPEAT OFF :repeat play is turned off.



Searching for and Storing the Radio Stations

You can store up to:

♦ 15 FM stations
♦ 15 AM stations

1 Switch the system on by pressing (⏻/ I).

2 Select the required frequency band by pressing **TUNER/BAND** again on the front panel or **BAND** on the remote control.
Result: The appropriate indication is displayed:

♦ **FM**	Frequency Modulation
♦ **AM(MW)**	Medium Wave

3

To search for a station...	**Press TUNING MODE**
Manually	One or more times until **MANUAL** is displayed.
Automatically	One or more times until **AUTO** is displayed.

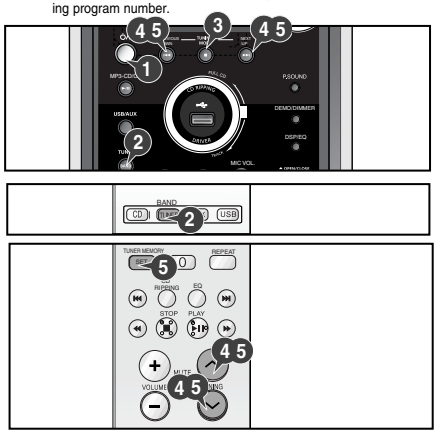
➢ PRESET function is explained in detail in the section "Selecting a Stored Station" on.

4 Select the station to be stored by:
♦ Pressing ⏮ or ⏭ buttons on the front panel or ∧ or ∨ buttons on the remote control to increase or decrease the frequency respectively.
♦ To scroll through the frequencies faster when searching manually, hold down the ⏮ or ⏭ buttons.
♦ The automatic search procedure may stop on a frequency that does not correspond to a radio station. If this happens, use the manual search mode.

5 If you do not want to store the radio station found, revert to Step **4** and search for another station.
Otherwise:
a Press **TUNER MEMORY**.
Result: The **PRGM** is displayed for a few seconds.
b Pressing ⏮ or ⏭ buttons on the front panel or ∧ or ∨ buttons on the remote control to assign a program number .
c Press **TUNER MEMORY** to store the radio station.
Result: **PRGM** is no longer displayed and the station is stored.

6 To store any other radio frequencies required, repeat Steps **3** to **5**.

➢ ♦ The SET function can be used to assign a new station to an existing program number.



Selecting a Stored (Preset)Station

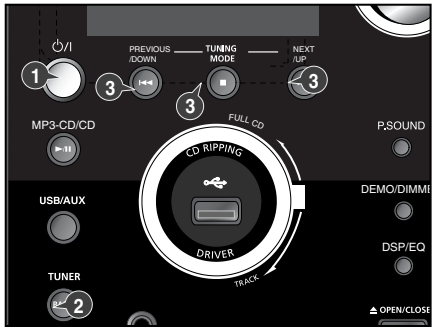
You can listen to a stored radio station as follows:

1 Switch the system on by pressing (⏻/ I) .

2 Select the required frequency band by pressing **TUNER/BAND** on the front panel.

3 Select the radio station as follows.

To listen to ...	**Press ...**
Stored station	1. the **TUNING MODE** button until "**PRESET**" is displayed. 2. ⏮ or ⏭ button to select the required program.

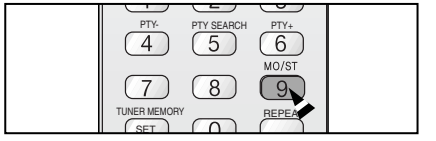


Improving Radio Reception

You can improve the quality of radio reception by:

♦ Rotating the FM or AM(MW) antenna

➢ If reception from a specific FM radio station is poor, press **MONO/ST.** to switch from stereo mode to mono. The quality of the sound will be improved.



About RDS broadcasting

This unit has the RDS (Radio Data System) function, which enables for the various information such as broadcasting station, radio text, time and 30 types of programs (News, Rock, Classic, etc.) to be received from the FM RDS station together with normal radio signal.

1 Press the (⏻) button.

2 Receive the FM radio.
- ♦ See the radio receiving method on the **page 15**.
- ♦ FM and frequency are shown on the display
- ♦ If the received station transfers the RDS information, 'RDS' appears automatically on the display.

3 Press the **RDS Display** button to select the desired RDS mode.
- ♦ Whenever the button is pressed, RDS mode changes as follows.

PS NAME → RT → CT → Current FM frequency

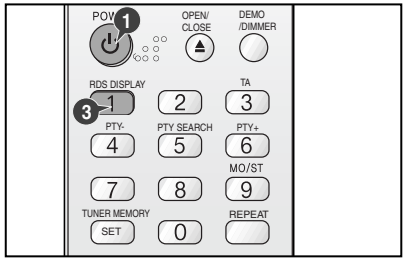
☛ ♦ The RDS function is available only in **FM** broadcasting.

♦ RDS may not operate correctly if the station tuned is not transmitting RDS signal property or if the signal strength is weak.

➢ **Description on RDS function**

1. **PTY**(Program Type) : Displays the type of programme currently being broadcast
2. **PS NAME**(Program Service Name) : Indicates the name of broadcasting station and is composed of 8 characters.
3. **RT**(Radio Text) : Decodes the text broadcast by a station (if any) and is composed of maximum 64 characters.
4. **CT**(Clock Time) : Decodes the real time clock from the FM frequency.

   ➢ Some stations may not transmit PTY, RT or CT information therefore this may not be displayed in all cases.
5. **TA**(Traffic Announcement) : When this symbol flashes it shows that the traffic announcement is in progress.



About RDS DISPLAY function

About "PS NAME" MODE

➢ Displays the name of broadcasting station.

Press the **RDS DISPLAY** button to select the PS NAME.
- ♦ "**PS NAME**" appears on the display.
- ♦ If the PS information is being received, the PS name (BBC, AFO, NDR, etc.) is shown on the display.
- ♦ If the PS information isn't received, the original FM frequency is shown.

☛ Even though no **RDS DISPLAY** button is pressed, the reception of PS information ensues the PS name is displayed.

About 'RT' MODE

➢ Displays the character transmitted from the broadcasting station.

Press the **RDS DISPLAY** button to select the RT MODE.
- ♦ "**RT**" appears on the display.
- ♦ If the RT information is being received, the received information is shown on the display.
- ♦ If the RT information isn't received, the "**NO RT**" is shown. On the display.

About CT(Clock Time)

➢ Sets the time of RDS clock.

To select the CT time, set the **RDS DISPLAY** button to CT MODE.

☛ ♦ The CT information will take up to 2 minutes to be decoded therefore the clock isn't displayed immediately.

♦ If there is no received CT information, "**NO CT**" is displayed.

PTY(Program Type) indication and PTY-SEARCH function

◆ The PTY information is composed of an identification symbol, which helps the FM radio to recognize the program type of each FM station.

◆ The below 30 PTY information is shown on the display by pressing the Pty button.

◆ The PTY Search is only applicable to preset stations.

◆ To stop searching any time during the process,press PTY SEARCH while searching.

◆ There is a time limit in doing the followings steps.If the setting is cancelled before you finish,start from step 1 again.

◆ When pressing the buttons on the primary remote control,make sure that you have selected the FM station using the primary remote control.

Display	Program Type
NEWS	• News including an announced opinion and report
AFFAIRS	• Several matters including a current incident, documentary, discussion and analysis.
INFO	• Information including weights and measures, returns and forecast, matters interesting the customer, medical information, etc.
SPORT	• Sports
EDUCATE	• Education
DRAMA	• Drama-Radio serial, etc.
CULTURE	• Culture-National or local culture including the religious problem, social science, language, theatre,etc.
SCIENCE	• Natural science and technology
VARIED	• Others-Speech, amusing program (quiz, game), interview, comedy and satirical play, etc.
POP M	• Pop music
ROCK M	• Rock music
M.O.R.M	• M.O.R- Comfortable music, occasionally vocal or piece
LIGHT M	• Light classical music- Classical music and instrumental and chorus music
CLASSICS	• Heavy classical music-Orchestra music, symphony, chamber music and opera
OTHER M	• Other music - Jazz, R&B country music
WEATHER	• Weather
FINANCE	• Finance
CHILDREN	• Children's programmes
SOCIAL	• Social affairs
RELIGION	• Religion
PHONE IN	• Phone in
TRAVEL	• Travel
LEISURE	• Leisure
JAZZ	• Jazz Music
COUNTRY	• Country Music
NATION M	• National Music
OLDIES	• Oldies Music
FOLK M	• Folk Music
DOCUMENT	• Documentary
TEST	• Alarm Test

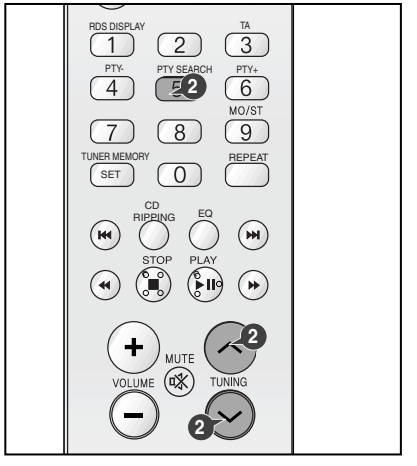
About PTY-SEARCH

1 Receive the FM radio.
- ♦ See the radio receiving method on the **page 15**.
- ♦ The FM and frequency appear on the display.
- ♦ If the received station is transmitting the RDS information, **"RDS"** lights up.

2 Press the **PTY** button.
- ♦ The PTY MODE(NEWS, AFFAIRS, etc.) appears on the display.
- ♦ Press the TUNING ∧ or ∨ button to select the desired PTY MODE.

➢
- ♦ If the station is transmitting no PTY information, 'NO PTY' lights on the display.
- ♦ When the PTY MODE is selected(The PTY MODE is shown on the display), press the PTY KEY once again to convert into PTY-SEARCH MODE and auto-search the station sequentially.
- ♦ If the PTY MODE received in the course of auto-search agrees with the selected PTY MODE, the auto-search stops and the PTY-SEARCH is finished.

☛ If the PTY MODE which agrees with the PTY MODE selected in the course of auto-search, isn't received, it is returned to the first frequency at beginning the PTY SEARCH and the auto-search and PTY SEARCH are suspended.



GB

Timer Function

The timer enables you to switch the system on or off at specific times.

Example: You wish to wake up to music every morning.

➢ If you no longer want the system to be switched on or off automatically, you must cancel the timer.

☛
- ♦ Before setting the timer, check that the current time is correct.
- ♦ For each step, you have a few seconds to set the desired options. If you exceed the time, you must start again.

1 .Press **TIMER/CLOCK** until **TIMER** is displayed.

2 Press **SET.**
Result: **ON TIME** is displayed (instead of the equalizer symbols) for a few seconds, followed by any switch-on time already set; you can set the timer switch-on time.

3 Set the timer switch-on time.
- **a** Set the hour by pressing ∧ or ∨ button.
- **b** Press **SET**.
  Result: The minutes flash.
- **c** Set the minutes by pressing ∧ or ∨ button.
- **d** Press **SET**.
  Result: **OFF TIME** is displayed (instead of the equalizer symbols) for a few seconds, followed by any switch-off time already set; you can now set the timer switch-off time.

4 Set the timer switch-off time.
- **a** Set the hour by pressing ∧ or ∨ button.
- **b** Press **SET**.
  Result: The minutes flash.
- **c** Set the minutes by pressing ∧ or ∨ button.
- **d** Press **SET**.
  Result: **VOL XX** is displayed, where **XX** corresponds to the volume already set.

5 Press ∧ or ∨ button to adjust the volume level and press **SET**.
Result: The source to be selected is displayed.

6 Press ∧ or ∨ button to select the source to be played when the system switches on.

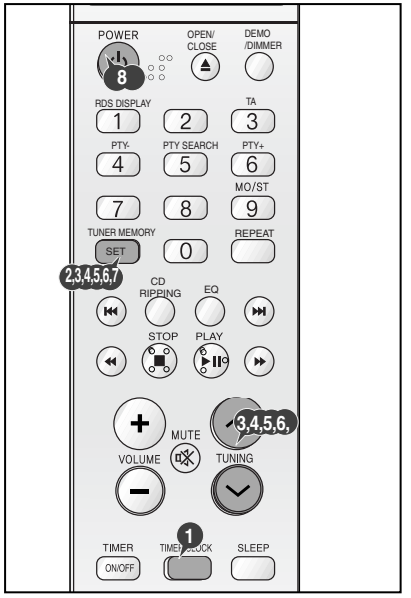
7

If you select...	You must also...
TUNER (radio)	**a** Press **SET**. **b** Select a preset station by pressing ∧ or ∨.
MP3/CD (compact disc)	Load a compact disc.
USB	connect usb.

Press **SET** to confirm the timer.

8 Press **(⏻ / I)** to set the system to standby mode.
Result: ◷ is displayed to the right of the time, indicating that the timer has been set. The system will switch on and off automatically at the required times.

- ♦ If the timer switch on and off times are identical, the word **ERROR** is displayed..

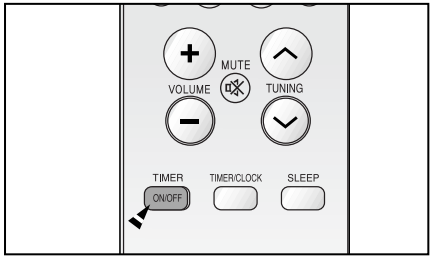


Cancelling the Timer

After having set the timer, it will start automatically as shown by the TIMER indication on the display. If you no longer wish to use the timer, you must cancel it.

➢ You can stop the timer at any time (system on or in standby mode).

To...	Press TIMER ON/OFF...
Cancel the timer	Once. Result: ◷ is no longer displayed.
Restart the timer	Twice. Result: ◷ is displayed again.



CD RIPPING FUNCTION

You can rip a compact disc as a MP3 file on the USB

CD RIPPING

This feature enables you to ripping with the start of the disc or track of your choice.

1 Switch the system on by pressing **(⏻ / I)** .

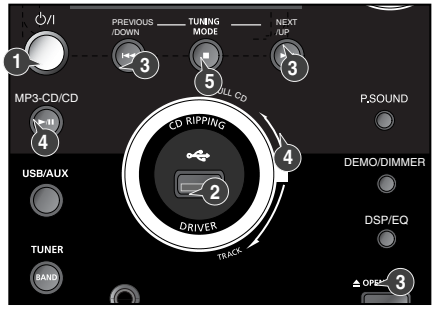
2 Connect the USB.

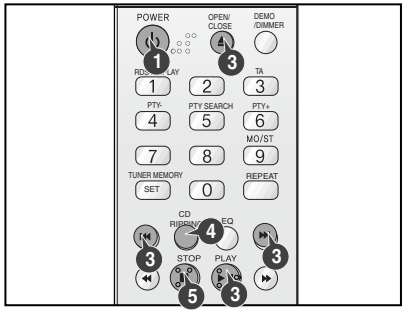
3 Load a compact disc(Digital Audio).
- ♦ Press the **OPEN/CLOSE** button (⏏) to open the CD door.
- ♦ Insert a CD and press the **OPEN/CLOSE** button (⏏) to close the CD door.
- ♦ Use the CD selection (⏮ , ⏭) buttons to select the desired song.

4 Turn the **CD RIPPING** dial or press CD RIPPING button on remote control to starting ripping.
- ♦ If the system is either at pause or playing state,turn the CD RIPPING dial down or press CD RIPPING button on the remote control to start the ripping for the current track.
- ♦ Turn CD RIPPING dial up or press and hold CD RIPPING button on the remote control to start ripping the all tracks of Disc.
- ♦ "REC" is displayed in red and CD RIPPING starts.
- ♦ During CD ripping,"REC" is on.Do not disconnect USB device while "REC" is on. .

5 To stop ripping, press ■ button.and then automatically create and save as the MP3 file.

After CD-Ripping,a directory named "RIPPING" will be created in your device.The filename follows the format:"SAM_XXXX".MP3.



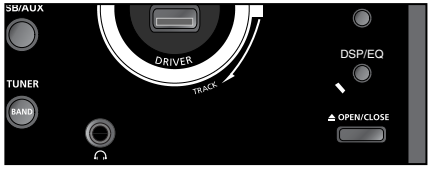


- ♦ Don't disconnected USB and AC Cord during CD-Ripping.This may cause the file damage.If you want to stop CD-Ripping during CD-Ripping,you must press stop Key first and after the CD Stopped,then you can remove the USB device.
- ♦ If you disconnected USB device when CD Ripping,the main unit will be power off and you may not delete the ripped file,In this case, please connect the USB on the PC and backup the USB data on the PC first and then formate the USB device .
- ♦ On the CD playing ,connect the USB,the CD play will be paused and will resume playing till the USB initilization finished.
- ♦ According the different USB the initililization time maybe different.
- ♦ When the USB memory is not enough,it will be displayed "NOT ENOUGH MEMORY"
- ♦ DTS-CD can't for CD Ripping.
- ♦ Starting CD ripping within 5 seconds can't create the CD Ripping file.
- ♦ Ripping file is only created when CD Ripping is stopped afters 5 seconds(ex. SAM_0001.MP3).
- ♦ With external HDD,FAT format the USB can be CD Ripping,but not NTFS.The CD Ripping function of this product does not support all USB devices. For information on the supported devices,see page 24.
- ♦ When you use CD high speed search function,the CD Ripping can't work.
- ♦ If you connect USB device besides SAMSUNG MP3 player when CD Ripping,CD audio can't be out.
- ♦ During CD Ripping,do not deal impact.If is shocked while CD Ripping,CD Ripping maybe disengage.

DSP/EQ Function

Your micro component system is equipped with a preset equalizer that allows you to choose the most appropriate balance between treble and bass frequencies, according to the type of music you are listening to.

Press **DSP/EQ** button until the required option is selected.
Result: Press the button repeatedly to select "PASS→**POPS**→**JAZZ** → **ROCK** →**STUDIO** →**CLUB**→**HALL**→**MOVIE**→**CHURCH** ".



➢ When CD Ripping,the DSP/EQ function can't work and the DSP/EQ automatically covert to "PASS" mode.

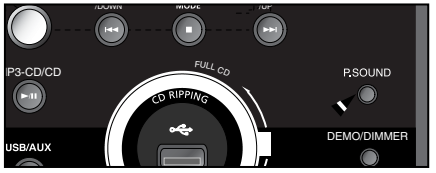
GB

Selecting Sound Mode

Your compact system is equipped with the function of Power Sound.
The function of Power Sound amplifies bass and improves high key or bass twice as much for you to appreciate powerful real sound.

➢ Press **P.SOUND** button until the required option is selected. Each time the **P.SOUND** button is pressed, **"S.BASS,P.SOUND, OFF"** is selected or cancelled in this order.

♦ S.BASS Function : S.Bass function emphasizes the bass sound to produce the effect of explosion or booms.



Setting the System to Switch off Automatically

While listening to a compact disc or a cassette, you can set the system to switch off automatically
Example: You wish to go to sleep to music.

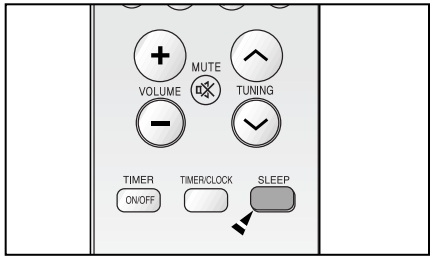
1 Press **SLEEP** button .
Result: The following indications are displayed:
90 MIN

2 Press **SLEEP** one or more times to indicate how long the system should continue playing before it switches off:

90 MIN → 60 MIN → 45 MIN → 30 MIN → 15 MIN → SLEEP OFF

➢ At any time, you can:
- ♦ Check the remaining time by pressing **SLEEP.**
- ♦ Change the remaining time by repeating Steps **1** and **2.**

3 To cancel SLEEP function, press **SLEEP** one or more times until **SLEEP OFF** is display.

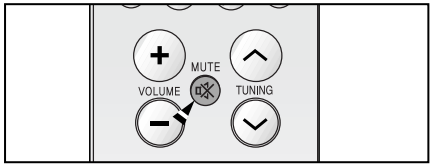


MUTE Function

You can turn the sound off temporarily on your system.
Example: You wish to answer a telephone call.

1 Press **MUTE (🔇).**

2 To switch the sound back on (at the same volume as before), press **MUTE** again or the **VOLUME** buttons.



Connecting Headphones

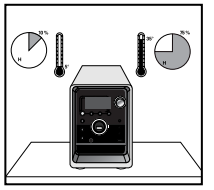
You can connect a set of headphones to your micro component system so that you can listen to music or radio programmers without disturbing other people in the room. The earphones must have a 3.5ø jack or an appropriate adapter.

Connect the headphones to the **PHONES** jack on the front panel.
Result: The loudspeakers are no longer used to output the sound.

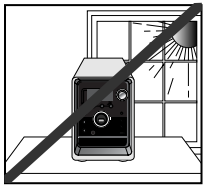
☛ Prolonged use of headphones at a high volume may damage your hearing.

Safety Precautions

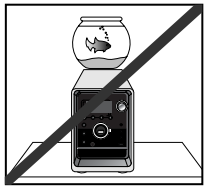
The following diagrams illustrate the precautions to be taken when using or moving your micro component system.



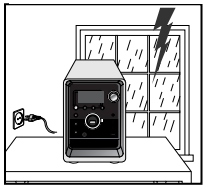
Ambient operating conditions:
Ambient temperature 5°C-35°C
Humidity 10-75%



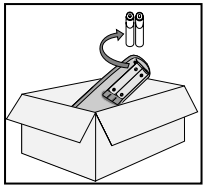
Do not expose the unit to direct sunlight or other heat sources.
This could lead to overheating and malfunction of the unit.



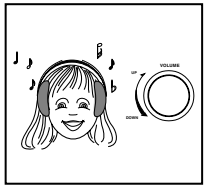
Do not place potted plants or vases on top of the unit. Moisture entering the unit could lead to dangerous electric shock and can cause equipment damage. In such events immediately disconnect the main plug from the outlet.



During thunderstorms, disconnect the main plug from the outlet voltage peaks due to lightning could damage the unit.

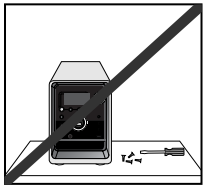


Remove the batteries from the remote control, if not used for any extended period.
Leaking batteries can cause serious damage to the remote control.



When using headphones, take care not to listen at excessive volumes. Extended use of headphones at high volumes may lead to hearing damage.

Do not place heavy items on the power cord.If the power cord is damaged it may lead to equipment damage(fire hazard) and may cause an electric shock.



Do not remove any equipment panels. The inside of the unit contains live components, which cause electric shock.

Cleaning Your Micro Component System

To obtain the best possible results from your micro component system, you must clean the following elements regularly:
- ♦ The outer casing
- ♦ The compact disc player

☛ Always unplug the system from the wall outlet:
- ♦ Before cleaning it
- ♦ If you are not going to be using it for a long time

Outer Casing
Clean the outer casing regularly using a soft cloth and a light detergent. Do not use abrasive powders, liquids or aerosol cleaners. Never let any liquids get into the system.

Compact Disc Player

1 Before playing a compact disc, clean it with a special CD cleaning agent. Do not use the same cleaning agents as for vinyl LP records. Carefully wipe the disc from the center outward.

2 Regularly clean the player with a special cleaning disc (available from your local dealer).

☛
- ♦ If you will not be using the remote control for a long time, remove the batteries to prevent corrosion.
- ♦ Do not be use this system in an excessively dusty environment or subject it to shock or extreme heat(close to heating appliances or in direct sunlight ect).
- ♦ If the unit emits an unpleasant odor when in use, unplug it from the power supply and contact a Samsung authorized service center.

Precautions When Using Compact Discs

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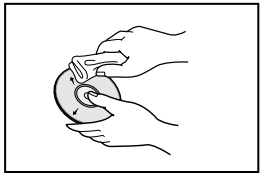
- Handle your compact discs with care. Always hold them by the edges to avoid leaving fingerprints on the shiny surface.
- When you have finished playing a compact disc, always put it back in its case.
- Do not fix paper or adhesive tape to the discs and do not write on the label.
- Clean them with a special-purpose cloth.
- Store your compact discs in a clean place, out of direct sunlight, where they will not be exposed to high temperatures.
- Always use compact discs marked



Troubleshooting

It always takes a little time to become familiar with a new appliance. If you have any of the problems listed below, try the solutions given. They may save you the time and inconvenience of an unnecessary service call.

	Problem	Checks/Explanation
GENERAL	The system does not work	• The main lead is not correctly plugged into a wall socket or the wall socket is not switched on. • The remote control batteries need replacing or the polarity has not been respected. • The ⏻ button has not been pressed.
	There is no sound	• The volume has been completely turned down. • The correct function (TUNER, MP3/WMA-CD/CD, AUX) has not been selected. • You have connected a set of earphones. • The **MUTE** button has been pressed.
	The Timer does not work	• The timer has been stopped by pressing **TIMER ON/OFF**.
	The unit does not work, even after following Troubleshooting steps above.	• Press the **STOP** (■)button for 5 seconds to reset the unit. • Press the **STOP** (■)button for 5 seconds with No disc on the unit to reset the unit.
CD	The compact disc player does not start playing	• The CD function has not been selected. • The disc has been inserted face down or is either dirty or scratched. • The laser sensor is dirty or dusty. • The system has not been installed on a flat, horizontal surface. • Condensation has formed in the player; leave the system in a warm, airy room for at least one hour.
RADIO	Reception is poor or no radio stations are received at all	• The TUNER function has not been selected. • The radio frequency has not been correctly selected. • The antenna has been disconnected or is not facing the right way. Turn it until you find the best orientation. • You are in a building that blocks radio waves; you must use an outside antenna.

If the above guidelines do not allow you to solve the problem, take a note of:

- The model and serial numbers, normally printed on the rear of the system
- Your warranty details
- A clear description of the problem

Then contact your local dealer or SAMSUNG authorized service.

Technical Specifications

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SAMSUNG strives to improve its products at all times. Both the design specifications and these user instructions are thus subject to change without notice.

RADIO	
AM (MW)	
Signal/noise ratio	40 dB
Usable sensitivity	56 dB
Total harmonic distortion	2 %
FM	
Signal/noise ratio	55 dB
Usable sensitivity	10 dB
Total harmonic distortion	0.8 %
COMPACT DISC PLAYER	
Frequency range	20 Hz - 20 KHz (± 1 dB)
Signal/noise ratio	70 dB (at 1 KHz) with filter
Distortion	0.2 % (at 1 KHz)
Channel separation	45 dB
Disc sizes	Diameter: 120 or 80 mm. Thickness: 1.2 mm
AMPLIFIER	
Output power(4 Ω)	2X50 W
Channel separation	45 dB
Signal/noise ratio	72 dB
GENERAL	
Power Consumption	50W
Dimensions	169(W) x 232 (H) x 330(D) mm

USB Feature Supported Player

USB Flash Disk

Product	Company	Type
Cruzer Micro	Sandisk	USB 2.0 USB Flash Drive 128M
Cruzer Mini	Sandisk	USB 2.0 128M
Cruzer Mini	Sandisk	USB 2.0 256M
SONY Micro Vault	Sony	USB 2.0 64MB
FLEX DRIVE	Serotech	USB 2.0 32MB
AnyDrive	A.L tech	USB 2.0 128MB
XTICK	LG	USB 2.0 128M
Micro Mini	Iomega	USB 2.0 128M
iFlash	Imation	USB 2.0 64M
LG	XTICK(M)	USB 2.0 64M
RiDATA	EZDrive	USB 2.0 64M

MP3 Player

Product	Company	Type
Creative MuVo NX128M	Creative	128 MB MP3 Player
Iriver H320	Iriver	20G HDD MP3 Player
YP-T8	Samsung	MP3 Player
YP-U1	Samsung	MP3 Player
YP-C1	Samsung	MP3 Player
YP-T7F	Samsung	MP3 Player
YP-D1	Samsung	MP3 Player
YP-T8N	Samsung	MP3 Player
YP-T55	Samsung	MP3 Player
YP-U2	Samsung	MP3 Player
YP-F2	Samsung	MP3 Player
YP-Z5F	Samsung	MP3 Player
YP-T9	Samsung	MP3 Player
iAUDIO U2	Cowon	MP3 Player
iAUDIO G3	Cowon	MP3 Player
iAudio M3	Cowon	HDD MP3 Player
SI-M500L	Sharp	256MB MP3 Player
H10	Iriver	MP3 Player
YP-K5	Samsung	MP3 Player
YP-K3	Samsung	MP3 Player
YV-150	Samsung	MP3 Player
YP-U3	Samsung	MP3 Player

USB External HDD

Product	Company	Type
MOMOBAY UX-2	Dvico	USB 2.0

CD Ripping Feature Supported Player

Product	Company	Type
YP-T8	Samsung	MP3 Player
YP-U1	Samsung	MP3 Player
YP-C1	Samsung	MP3 Player
YP-T7F	Samsung	MP3 Player
YP-D1	Samsung	MP3 Player
YP-T8N	Samsung	MP3 Player
YP-T55	Samsung	MP3 Player
YP-U2	Samsung	MP3 Player
YP-F2	Samsung	MP3 Player
YP-Z5F	Samsung	MP3 Player
YP-T9	Samsung	MP3 Player
YP-K5	Samsung	MP3 Player
YP-K3	Samsung	MP3 Player
YV-150	Samsung	MP3 Player
YP-U3	Samsung	MP3 Player

Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care centre.

Region	Country	Customer Care Center ☎	Web Site
North America	CANADA	1-800-SAMSUNG(726-7864)	www.samsung.com/ca
	MEXICO	01-800-SAMSUNG(726-7864)	www.samsung.com/mx
	U.S.A	1-800-SAMSUNG(726-7864)	www.samsung.com/us
Latin America	ARGENTINE	0800-333-3733	www.samsung.com/ar
	BRAZIL	0800-124-421 , 4004-0000	www.samsung.com/br
	CHILE	800-SAMSUNG(726-7864)	www.samsung.com/cl
	COSTA RICA	0-800-507-7267	www.samsung.com/latin
	ECUADOR	1-800-10-7267	www.samsung.com/latin
	EL SALVADOR	800-6225	www.samsung.com/latin
	GUATEMALA	1-800-299-0013	www.samsung.com/latin
	JAMAICA	1-800-234-7267	www.samsung.com/latin
	PANAMA	800-7267	www.samsung.com/latin
	PUERTO RICO	1-800-682-3180	www.samsung.com/latin
	REP. DOMINICA	1-800-751-2676	www.samsung.com/latin
	TRINIDAD & TOBAGO	1-800-SAMSUNG(726-7864)	www.samsung.com/latin
	VENEZUELA	0-800-100-5303	www.samsung.com/latin
	COLOMBIA	01-8000112112	www.samsung.com.co
Europe	BELGIUM	0032 (0)2 201 24 18	www.samsung.com/be
	CZECH REPUBLIC	844 000 844 Distributor pro Českou republiku : Samsung Zrt., česka organizační složka Vyskočilova 4, 14000 Praha 4	www.samsung.com/cz
	DENMARK	70 70 19 70	www.samsung.com/dk
	FINLAND	030-6227 515	www.samsung.com/fi
	FRANCE	3260 SAMSUNG(726-7864) or 08 25 08 65 65 (€ 0,15/Min)	www.samsung.com/fr
	GERMANY	01805 - 121213 (€ 0,14/Min)	www.samsung.de
	HUNGARY	06-80-SAMSUNG(726-7864)	www.samsung.com/hu
	ITALIA	800-SAMSUNG(726-7864)	www.samsung.com/it
	LUXEMBURG	0035 (0)2 261 03 710	www.samsung.com/be
	NETHERLANDS	0900 20 200 88 (€ 0,10/Min)	www.samsung.com/nl
	NORWAY	815-56 480	www.samsung.com/no
	POLAND	0 801 801 881 , 022-607-93-33	www.samsung.com/pl
	PORTUGAL	80 8 200 128	www.samsung.com/pt
	SLOVAKIA	0800-SAMSUNG(726-7864)	www.samsung.com/sk
	SPAIN	902 10 11 30	www.samsung.com/es
	SWEDEN	0771-400 200	www.samsung.com/se
	U.K	0870-SAMSUNG(726-7864)	www.samsung.com/uk
	Republic of Ireland	0818 717 100	www.samsung.com/ie
	AUSTRIA	0800-SAMSUNG(726-7864)	www.samsung.com/at
	Switzerland	0800-SAMSUNG(726-7864)	www.samsung.com/ch
CIS	RUSSIA	8-800-555-55-55	www.samsung.ru
	KAZAHSTAN	8-10-800-500-55-500	www.samsung.kz
	UZBEKISTAN	8-800-120-0-400	www.samsung.uz
	KYRGYZSTAN	00-800-500-55-500	
	UKRAINE	8-800-502-0000	www.samsung.ua
	LITHUANIA	8-800-77777	www.samsung.lt
	LATVIA	800-7267	www.samsung.com/lv
	ESTONIA	800-7267	www.samsung.ee
Asia Pacific	AUSTRALIA	1300 362 603	www.samsung.com/au
	New zealand	0800SAMSUNG(726-7864)	www.samsung.com/nz
	CHINA	800-810-5858 , 010-6475 1880	www.samsung.com.cn
	HONG KONG	3698-4698	www.samsung.com/hk
	INDIA	3030 8282 , 1800 110011	www.samsung.com/in
	INDONESIA	0800-112-8888	www.samsung.com/id
	JAPAN	0120-327-527	www.samsung.com/jp
	MALAYSIA	1800-88-9999	www.samsung.com/my
	PHILIPPINES	1800-10-SAMSUNG(726-7864)	www.samsung.com/ph
	SINGAPORE	1800-SAMSUNG(726-7864)	www.samsung.com/sg
	THAILAND	1800-29-3232 , 02-689-3232	www.samsung.com/th
	TAIWAN	0800-329-999	www.samsung.com/tw
	VIETNAM	1 800 588 889	www.samsung.com/vn
Middle East & Africa	Turkey	444 77 11	www.samsung.com.tr
	SOUTH AFRICA	0860-SAMSUNG(726-7864)	www.samsung.com/za
	U.A.E	800-SAMSUNG (726-7864), 8000-4726	www.samsung.com/mea

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